



## **Helio Henrique L. C. Monte-Alto**

I am a software developer, researcher and professor, interested in working with software engineering in active and motivating teams. I have experience in development with Java for Web Applications, Python and front end Web technologies, and I am able to learn new technologies very fast. I also have a background on distributed systems and artificial intelligence, especially multi-agent systems and semantic technologies, from my academic research. I am currently a professor of higher education, teaching programming, software engineering, Web development, distributed artificial intelligence and semantic technologies. I am always excited to learn new programming languages, technologies, techniques and best practices of software development. I am also an Agile enthusiast, and I have great interest in building software of high quality, concerning both architectural aspects and component design.

My career goal is to take part on the production of nice and solid products that deliver value to a business and always strive to improve my knowledge and skills on software development. I am also willing to learn and share with others, and one of the things I most like is to see things happen.

**MONTE-ALTO, HELIO HENRIQUE**  
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## CAREER OBJECTIVE

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Programmer / Software Engineer and Software Architect.

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## PROFESSIONAL PROFILE

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- Programmer experienced in languages: Java, Python, PHP, JavaScript;
- Full Stack Web developer;
- Good knowledge of agile methodologies (XP, Scrum), object-oriented analysis and design, software architecture, design patterns, functional programming, clean code and best development practices.

**LANGUAGES :** Portuguese, Fluent English, Intermediary French, Intermediary Spanish

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## KNOWLEDGE AND SKILLS

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- Languages, frameworks and technologies: Java, Java EE, JSP, JSF, Spring Framework, Python, PHP, HTML, JavaScript, JQuery, Ajax, AngularJS, XML, JSON, Scala, Racket/Scheme, Maven, Git, Mercurial, Eclipse, Hibernate, Junit, REST.
- Databases: MySQL, Oracle.
- Good knowledge of agile methodologies (XP, Scrum), object-oriented analysis and design, software architecture, design patterns, functional programming, clean code and best development practices.
- Experience with distributed artificial intelligence and semantic technologies research.

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## PROFESSIONAL EXPERIENCE

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**Assistant Professor** 08/2014 – today

**Universidade Federal do Paraná**, Palotina, Brazil

- Object-oriented programming, object-oriented analysis and design, software engineering, functional programming, algorithms and data structures, Web system development, multi-agent systems and ontologies.
- Coordination of research projects on teaching of programming.

**Software Analyst** 07/2013 – 07/2014

**HSBC Global Technology**, Curitiba, Brazil

- Development in back end and front end using Scrum/Kanban in a global team.
- Implementation of new functionality in Web applications;
- Bug fixes in the front end, in the back end and in SQL scripts;
- Investigation and resolution of incidents in production environments;
- Test-Driven Development
- PL/SQL scripts and Shell scripts;
- Implementation of batch processes for Data Fix and Data Load;
- Build and deploy of Web applications.
- Technologies used: Java, JavaEE, Servlets, JSP, JSTL, Javascript, Ajax, jQuery, Hibernate, JUnit, Spring MVC, Spring Batch, Maven, FileNet, Websphere

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## ACADEMIC FORMATION

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**Bachelor in Computer Science** 2008-2011

State University of Maringá, Maringá, Brazil

**Master in Computer Science** 2012-2014

State University of Maringá, Maringá, Brazil

**Doctor (PhD) in Computer Engineering** 2017-2021 (*in progress*)

Federal University of Technology - Paraná, Curitiba, Brazil

**For more details, please visit my LinkedIn profile:** <https://goo.gl/qU7hk3>

**Check also my projects at GitHub:** <https://github.com/helioh2>